

B-200 (UC-12B) - LARC 07/17/13

Aircraft: [B-200 \(UC-12B\) - LARC](#) ([See full schedule](#))

Flight Number: DAWN 2013 R-8

Payload Configuration: NASA Langley's Doppler Aerosol Wind Lidar System (DAWN)

Nav Data Collected: No

Total Flight Time: 2.3 hours

Submitted by: Michael S. Wusk on 07/18/13

Flight Segments:

From:	KLFI	To:	KLFI
Start:	07/17/13 12:46 Z	Finish:	07/17/13 15:02 Z
Flight Time:	2.3 hours		
Log Number:	13B012	PI:	Michael Kavaya
Funding Source:	Bruce Fisher - NASA - SMD - ESD LARC Chief Engineer, Research Services Directorate		
Purpose of Flight:	Science		
Comments:	<p>DAWN's DATA flight #8, Tues 16 July. Target area Charlotte. N528NA Takeoff: 0846 L Landing: 1102 L Duration: 2.3 hrs (1.5 hr above 12.5K, TO weight 13,500#) Crew: Kagey (PIC), Wusk (OE), Kavaya (QNC), Cowen (QNC) Preflight and takeoff procedures were nominal. We took off on Runway 8, and climbed to the west eventually reaching FL220 after about 30 minutes. The instrument team began the instrument start up process after take-off but struggled with issues as the climb continued. After completing all the troubleshooting they could the call was made to return to base. The return to KLFI was uneventful. Post flight troubleshooting showed that the instrument was working fine but rather indicated that the in flight problems were the result of interior condensation on the optical glass due to the high humidity conditions on the ramp before flight. The team is assessing possible procedural changes to prevent future issues under this conditions. Next event scheduled: July 22, with a proposed flight back to the Charlotte area. 0800 brief/0830 board/0900 takeoff. Take-off weight planned for 13,500#</p>		

Flight Hour Summary:

	13B012
Flight Hours Approved in SOFRS	25
Total Used	23.9
Total Remaining	1.1

13B012 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/12/13	DAWN 2013 ICF#1	Check	3.1	3.1	21.9	
06/14/13	DAWN 2013 R-1	Science	2.1	5.2	19.8	
06/21/13	DAWN 2013 R-2	Science	2	7.2	17.8	
06/24/13	DAWN 2013 R-3	Science	2.4	9.6	15.4	
06/26/13	DAWN 2013 R-4	Science	2.3	11.9	13.1	
06/28/13	DAWN 2013 R-5	Science	2.5	14.4	10.6	
07/09/13	DAWN 2013 R-6	Science	3.2	17.6	7.4	
07/10/13	DAWN 2013 R-7	Science	2	19.6	5.4	
07/17/13	DAWN 2013 R-8	Science	2.3	21.9	3.1	

[07/23/13](#)

DAWN 2013
R-9

Science

2

23.9

1.1

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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